

FINGERTIP ULTRASOUND MEDICAL
INSTRUMENT

Abstract of the Invention

[0050] Disclosed is a minimally invasive surgical instrument that may be used in hand-assisted laparoscopic surgeries. The device is an ultrasonic transmitter and receiver and may be mounted directed on a surgeon's fingertip and inserted through an incision to allow the surgeon to monitor the operational field during a surgical procedure. The device may be used in combination with tactile feedback or other means of alerting the surgeon of the presence of blood vessels or arteries, for example, to provide the surgeon with an improved tactile sense of the surgical field.